AMENDMENTS TO SPECIFICATION

Please amend the specification in accordance with the following particulars:

<u>Page 2, line 24 to Page 3, line 16</u>:

Fig. 1 is a block diagram showing data transmission between a transmitting unit and a receiving unit in accordance with the present invention;

Fig. 2 illustrates a scheme of the LMS algorithm;

Fig. 3 is a block diagram of a channel noise estimating apparatus of the present invention;

Fig. 4 shows a reconstructing process, while the original data symbols Xk[n] are exactly known to the receiver;

Fig. 5 shows a basic configuration of a reconstructing unit in accordance with the present invention;

Fig. 6A is a first embodiment of a bit-stream data extractor in accordance with the present invention;

Fig. 6B is a second embodiment of the bit-stream data extractor in accordance with the present invention;

Fig. 7A is a first embodiment of a constructor in accordance with the present invention; ~~and~~

Fig. 7B is a second embodiment of the constructor in accordance with the present invention[.];

Fig. 8 is a flow chart of a channel noise estimating method in accordance with the present invention; and

Fig. 9 is a flow chart of detailed steps of reconstructing simulated input data symbols in accordance with the present invention.